



# Case Study

## Lutetium PRRT for Metastatic well-differentiated Neuroendocrine Tumor

### PATIENT ONCOLOGY HISTORY

**Age:** 35-Year-Old Male

**Diagnosis:** Metastatic well-differentiated Neuroendocrine Tumor

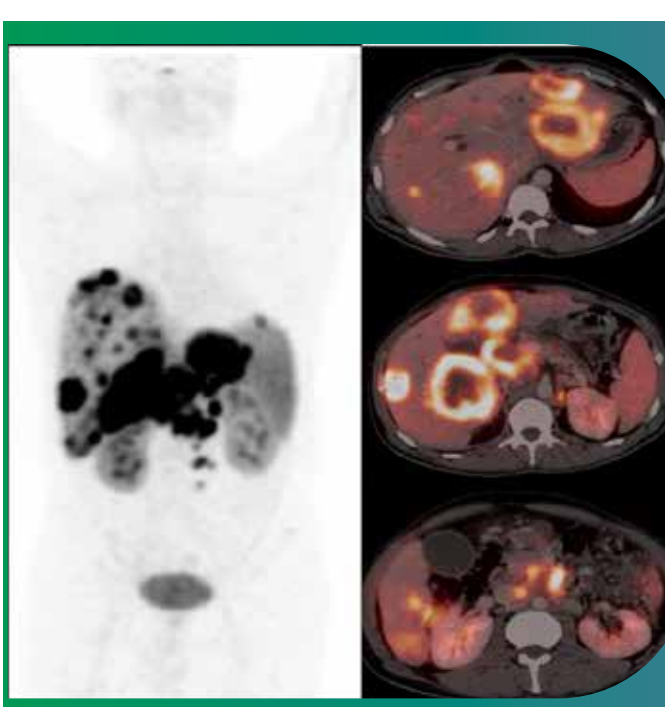
**Previous Treatments:** The patient was receiving Ing. Sandostatin-LAR 30 monthly for the last six months with no relief from symptoms and progressing disease.

**Clinical Assessment before treatment procedure:** The patient has a history of abdominal pain for 6 months.

### LUTETIUM PRRT THERAPY

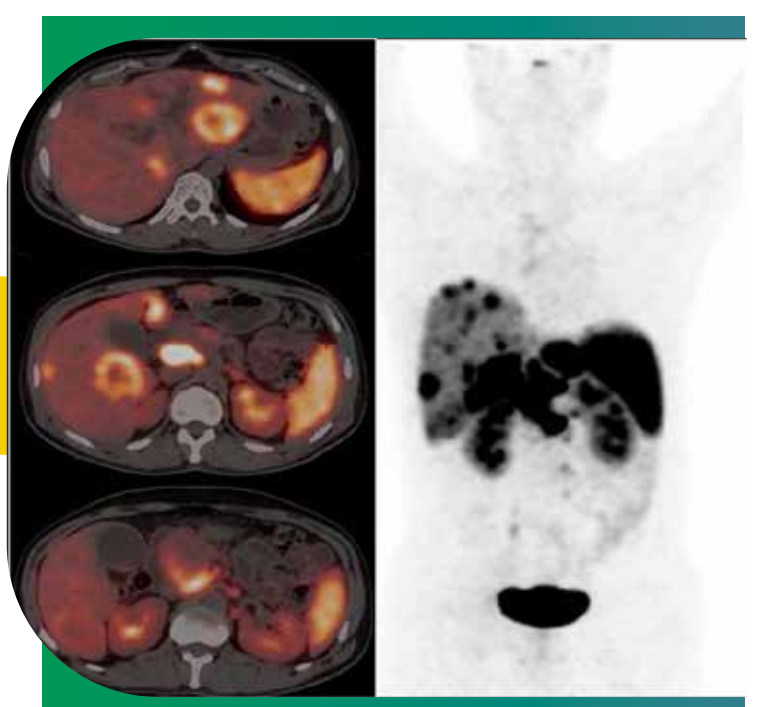
The patient received a total of 3 doses of  $^{177}\text{Lu}$  PRRT administered via slow intravenous infusion with renal protection protocol (Hydration with intravenous normal saline). Each infusion was well-tolerated, and there were no immediate complications. The patient's clinical condition significantly improved, with no weight loss or loss of appetite. Overall energy levels have improved.

At each 3-month interval, subsequent doses of  $^{177}\text{Lu}$  PRRT were administered, and the patient continued to tolerate the treatment well without any post-infusion complications. Upon completion of the therapy, the patient was discharged in a stable condition with background radiation levels within normal limits.



**Pre Therapy**  
Chromogranin A level 353

**Post 03 cycle of Lu-177 PRRT Therapy**  
S. Chromogranin A level 132



**Interim treatment response Ga-68 DOTANOC PET CT scan shows ~42% reduction in tumor volume with complex relief of symptoms and improvement in quality of life**

Discuss your case with

**Dr. Ishita B. Sen**

and get a second opinion



**+91 98111 27080**

## Useful Links

- > Case Study: Lutetium 177 PSMA Therapy as the first line of treatment for Metastatic Prostate Carcinoma
- > Case Study:  $^{177}\text{Lu}$  DKFZ-PSMA-617 in Metastatic Prostate Adenocarcinoma
- > Metastasis directed Lu-177 PSMA Therapy in Prostate Cancer Patients with Oligometastatic Disease
- > How is PRRT Performed
- > How Does A Typical PRRT Day Look Like?

*\*This is a general information, and is not intended to substitute for medical advice.*